

Operable Unit 2

On-Site Disposal Facility Project and Soil Characterization Excavation Project

March 1997

Operable Unit 2

Operable Unit 2 -- the On-Site Disposal Facility Project and Soil Characterization and Excavation Project -- is one of five areas being remediated at DOE's Fernald Environmental Management Project (FEMP). Each operable unit was defined based on its location or the potential for similar technologies to be used in the ultimate cleanup.

Operable Unit 2 includes the Solid Waste Landfill, Lime Sludge Ponds, Inactive Fly Ash Pile, Active Fly Ash Pile, and the South Field Area. These areas were used to dispose fly ash from the boiler plant, spent lime from water treatment activities, sanitary waste, and construction rubble from past operations at the FEMP.

Remedial Design

Design of the On-Site Disposal Facility (OSDF) is being performed under the Operable Unit 2 project. The OSDF will be located on the eastern side of the FEMP and will be designed to contain 2.5 million cubic yards of waste material from Operable Units 2, 3, and 5.

On Oct. 14, 1996, the final OSDF design package was submitted to the U.S. Environmental Protection Agency (EPA) and Ohio EPA. The design of the haul road and rerouted north entrance road was approved by U.S. EPA on Sept. 27, 1997, and by Ohio EPA on Jan. 22, 1997.

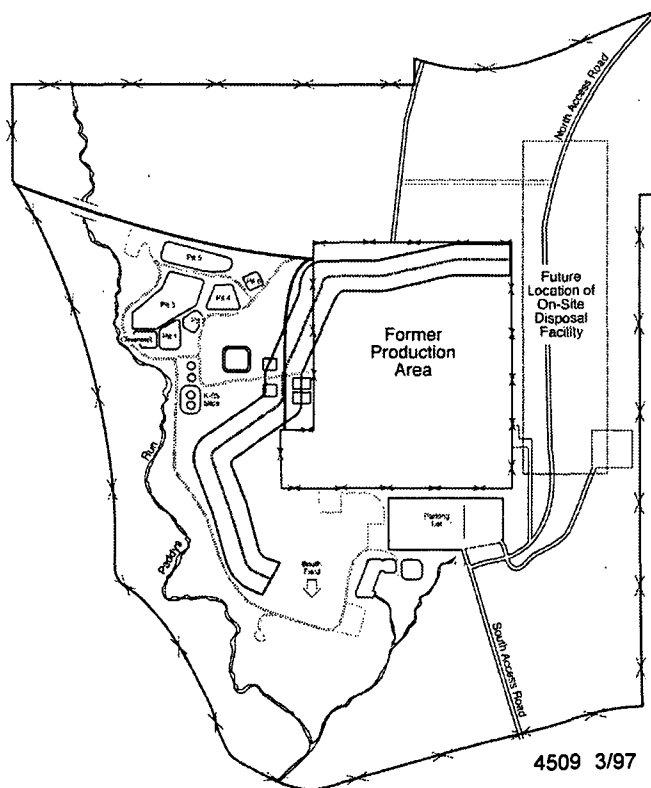
Due to the physical location of the Operable Unit 2 waste units to one another and to other remediation areas, the remedial action will be implemented in three separate pieces: Southern Waste Units (Inactive Fly Ash Pile, Active Fly Ash Pile, and South Field); Lime Sludge Pond; and Solid Waste Landfill.

The tentative excavation schedule for each of the separate remediation areas is:

- Southern Waste Units, 1998;
- Lime Sludge Ponds, after 2000;
- Solid Waste Landfill, after 2000.

The actual excavation schedules will be established when the prefinal design packages for each area are submitted to EPA.

LOCATION OF NEW HAUL ROAD TO ON-SITE DISPOSAL FACILITY



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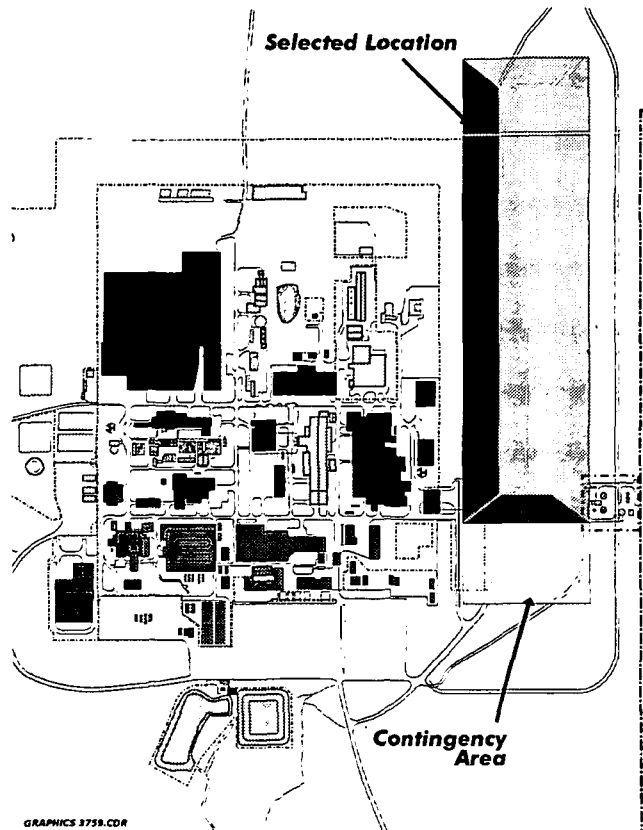
Soil Remediation Project

Remedial Action

On Oct. 14, 1996, the final remedial action work plan for the OSDF was submitted to U.S. EPA and Ohio EPA. On April 3, Fluor Daniel Fernald awarded Petro Environmental Technologies Inc. the contract for Phase I construction of the OSDF. Phase I includes constructing the liner in the OSDF's first cell. OSDF construction began in April 1997.

On April 7, Fluor Daniel Fernald authorized Village Building Services to begin mobilizing for construction of the OSDF's Leachate Conveyance System. Installation of telephone poles began April 8. Construction of the Leachate Conveyance System, which will carry leachate from the OSDF to the Bionitrification Surge Lagoon for eventual treatment at the Advanced Wastewater Treatment facility (AWWT), will be performed by Village Building Services Inc. and will begin in April 1997.

The contract to construct the haul road and the rerouted north entrance road was awarded to Barrett Paving Materials Inc. on Oct. 7, 1996, and construction of the haul road began in February 1997. Phase I construction of the rerouted north entrance road, which will run on the east side of the OSDF, is currently scheduled to begin in July 1997.



For More Information

For specific questions regarding Operable Unit 1, contact Rod Warner, DOE-FEMP Operable Unit 2 branch chief, 513-648-3156; or send an e-mail message to Rod_Warner@fernald.gov.

For more information about the PEIC and its resources, call Rene Eichhold, 513-738-0164, or send an e-mail message to Rene_Eichhold@fernald.gov.

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